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NATIONAL ADVISORY COMMITTEE
FOR AERONAUTICS

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M.L. 270 (Monthly list of documents released by the NACA during September 1949)

Libraries in most of the important cities throughout the country, as well as libraries of schools, manufacturers, and other organizations dealing with aeronautics, are supplied copies of these publications for reference.

TECHNICAL NOTES

- TN 1930 An Analysis of the Effect of Lift-Drag Ratio and Stalling Speed on Landing-Flare Characteristics.
By: J. Calvin Lovell and Stanley Lipson.
- TN 1939 The Effects of Aerodynamic Brakes upon the Speed Characteristics of Airplanes.
By: Jack D. Stephenson.
- TN 1941 Attainable Circulation of Airfoils in Cascade.
By: Arthur W. Goldstein and Artur Mager.
- TN 1942 The Effect of Wall Friction on the Strength of Shock Waves in Tubes and Hydraulic Jumps in Channels.
By: Coleman duP. Donaldson and Roger D. Sullivan.
- TN 1943 Theoretical Relations between the Stability Derivatives of a Wing in Direct and in Reverse Supersonic Flow.
By: Sidney M. Harmon.
- TN 1944 The Reversibility Theorem for Thin Airfoils in Subsonic and Supersonic Flow.
By: Clinton E. Brown.
- TN 1946 Measurements in the Boundary Layer of a Yawed Wing.
By: A. M. Kuethe, P. B. McKee, and W. H. Curry.
- TN 1947 Investigation of Flow Coefficient of Circular, Square, and Elliptical Orifices at High Pressure Ratios.
By: Edmund E. Callaghan and Dean T. Bowden.
- TN 1948 Investigation of Bonding between Metals and Ceramics. I - Nickel, Cobalt, Iron, or Chromium with Boron Carbide.
By: H. J. Hamjian and W. G. Lidman.

- TN 1950 Damping-in-Roll Calculations for Slender Swept-Back Wings
 and Slender Wing-Body Combinations.
 By: Harvard Lomax and Max. A. Heaslet.
- TN 1951 Method of Determining Conditions of Maximum Efficiency of an
 Independent Turbine-Propeller Combination.
 By: Marcus F. Heidmann.
- TN 1952 Analytical Method for Determining Transmission and Absorption
 of Time-Dependent Radiation through Thick Absorbers.
 II - Source Intensity, Time-Dependent.
 By: G. Allen.
- TN 1953 On the Theory of Oscillating Airfoils of Finite Span in Subsonic
 Compressible Flow.
 By: Eric Reissner.
- TN 1968 Flight Tests of the Hydrodynamic Characteristics of a
 Japanese "Emily" Flying Boat.
 By: J. A. Ferguson, R. E. Seibels, Jr., and R. J. Corber.

REPORTS

- Rept. 824 Summary of Airfoil Data.
 By: Ira H. Abbott, Albert E. von Doenhoff, and
 Louis S. Stivers, Jr.
 Formerly Issued as ACR L5C05 and Wartime Rept. L-560.
- Rept. 872 Theoretical Study of Air Forces on an Oscillating or Steady
 Thin Wing in a Supersonic Main Stream.
 By: I. E. Garrick and S. I. Rubinow.
 Formerly Issued as TN 1383.
- Rept. 877 Summary Report on the High-Speed Characteristics of Six
 Model Wings Having NACA 65₁-Series Sections.
 By: William T. Hamilton and Warren H. Nelson.
 Formerly Issued as MR A5J19.
- Rept. 883 Flight Measurements of the Lateral Control Characteristics
 of Narrow-Chord Ailerons on the Trailing Edge of a Full-
 Span Slotted Flap.
 By: Richard H. Sawyer.
 Formerly Issued as TN 1188.

- Rept. 886 Spark-Timing Control Based on Correlation of Maximum-Economy Spark Timing, Flame-Front Travel, and Cylinder-Pressure Rise.
By: Harvey A. Cook, Orville H. Heinicke and William H. Haynie.
Formerly Issued as TN 1217.
- Rept. 887 Critical Stress of Thin-Walled Cylinders in Axial Compression.
By: S. B. Batdorf, Murry Schildcrout, and Manuel Stein.
Formerly Issued as TN 1343.
- Rept. 889 Volterra's Solution of the Wave Equation as Applied to Three-Dimensional Supersonic Airfoil Problems.
By: Max. A. Heaslet, Harvard Lomax, and Arthur L. Jones.
Formerly Issued as TN 1412.
- Rept. 890 Investigations of Effects of Surface Temperature and Single Roughness Elements on Boundary-Layer Transition.
By: Hans W. Liepmann and Gertrude H. Fila.
Formerly Issued as TN 1196.

TECHNICAL MEMORANDUMS

- TM 1198 Investigations on the Stability, Oscillation, and Stress Conditions of Airplanes with Tab Control. Second Partial Report - Application of the Solutions Obtained in the First Partial Report to Tab-Controlled Airplanes.
By: B. Filzek.
- TM 1228 Behavior of the Laminar Boundary Layer for Periodically Oscillating Pressure Variation.
By: August Wilhelm Quick and K. Schröder.
- TM 1231 Report on Investigation of Developed Turbulence.
By: L. Prandtl.
- TM 1242 Theory of Characteristics.
By: Dr. W. Tollmien.

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